FIG.1

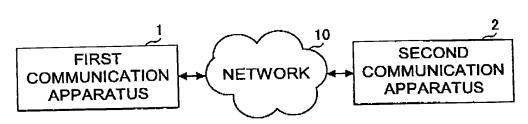


FIG.2A

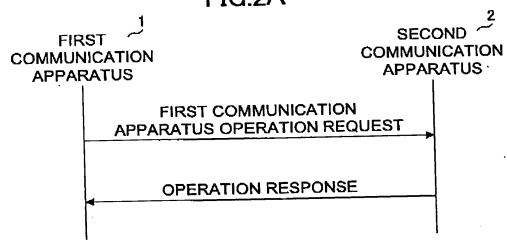


FIG.2B

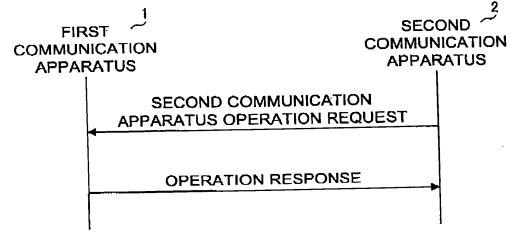


FIG.3

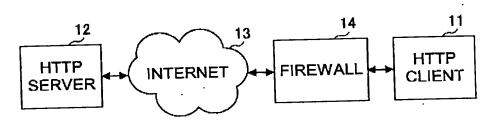


FIG.4A

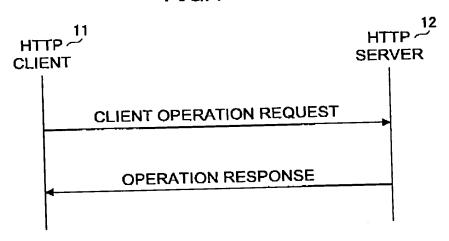


FIG.4B

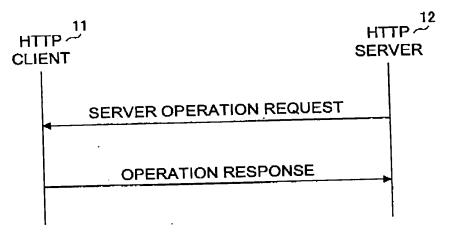
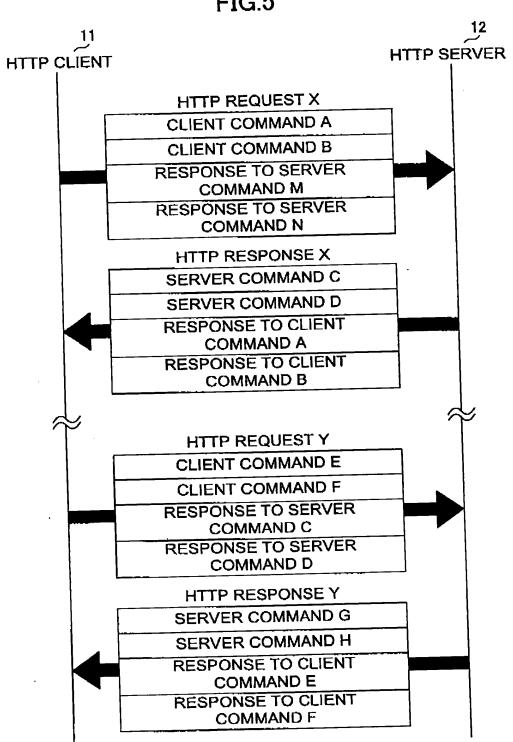
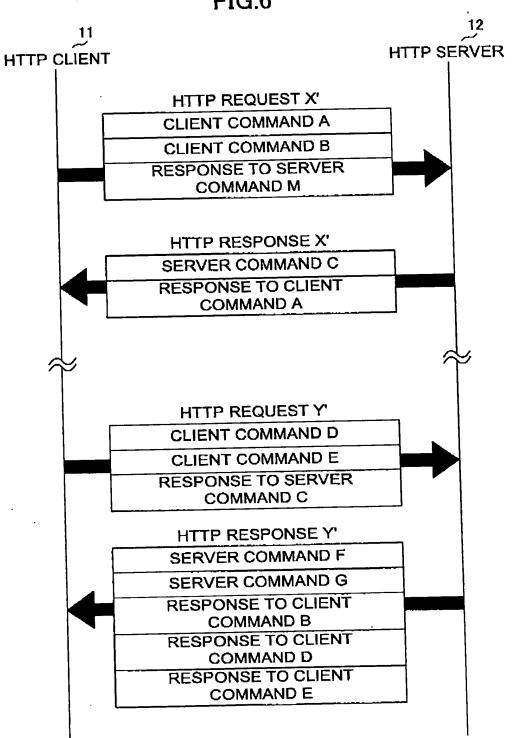


FIG.5



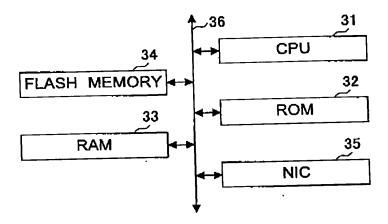
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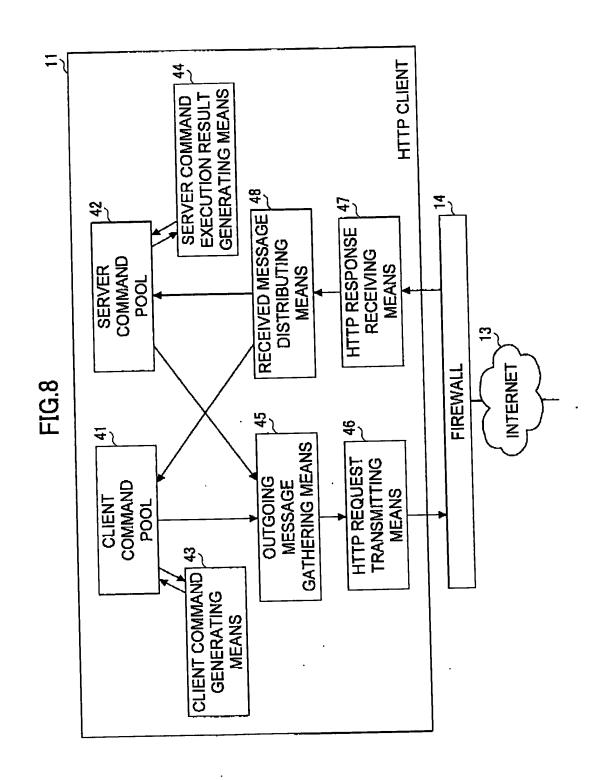
FIG.6



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FIG.7





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FIG.9

CLIENT COMMAND SHEET IN HTTP CLIENT

COMMAND ID

METHOD NAME (e.g., TROUBLE NOTIFICATION)
INPUT PARAMETER (e.g., TROUBLE CONTENT)
STATUS (INITIAL VALUE: NOT SENT)
CLIENT COMMAND EXECUTION
RESULT NOTIFYING DESTINATION
OUTPUT PARAMETER
(BLANK UNTIL RESPONSE IS ACQUIRED)

FIG.10

SERVER COMMAND SHEET IN HTTP CLIENT

COMMAND ID

METHOD NAME (e.g., COUNTER ACQUISITION)

INPUT PARAMETER

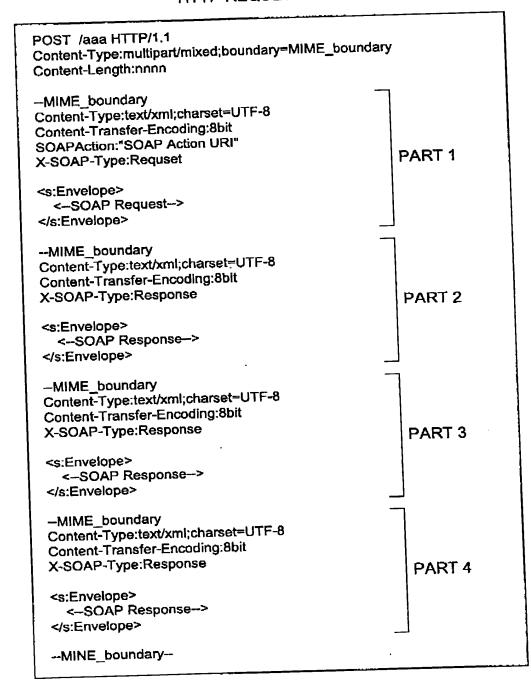
STATUS (INITIAL VALUE: NOT SENT)

OUTPUT PARAMETER

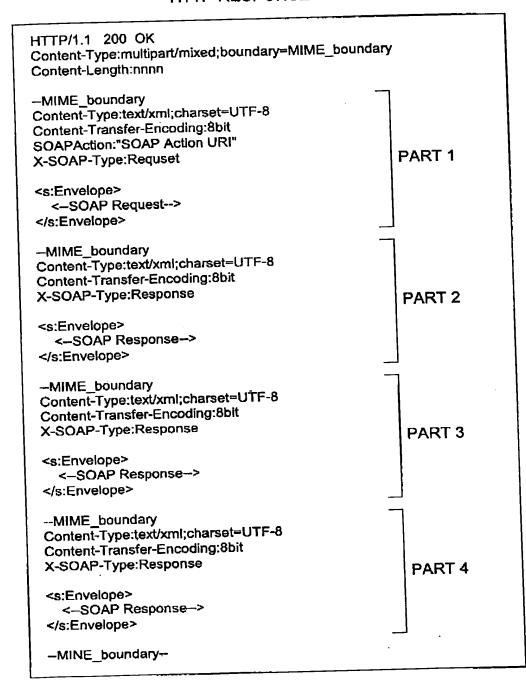
(BLANK UNTIL PROCESS IS COMPLETED)

SERVER COMMAND NOTIFYING DESTINATION

HTTP REQUEST



HTTP RESPONSE



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FIG.13

EXEMPLARY PART DESCRIBING CLIENT COMMAND

Content-Type: text/xml; charset=UTF-8 Content-Transfer-Encoding: 8bit X-SOAP-Type : Request SOAPAction: "http://www.foo.com/ server/ errorNotification" <s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/" xmlns:se="http://schemas.xmlsoap.org/soap/encoding/" xmlns:n="http://www.foo.com/header" xmlns:ns="http://www.foo.com/server" s:encodingStyle="http://schemas.xmlsoap.org/soap/encoding"> <s:Header> <n:Request ID> 12345 </n:Request ID> </s:Header> <s:Body> <ns:Trouble Notification> <ErrorID> 1111 </ErrorID> <Description>Hard Disk Drive Trouble </Description> </ns:Trouble Notification> </s:Body> </s:Envelope>

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FIG.14

EXEMPLARY PART DESCRIBING RESPONSE TO CLIENT COMMAND

Content-Type: text/xml; charset=UTF-8 Content-Transfer-Encoding: 8bit

X-SOAP-Type: Response

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/" xmlns:se="http://schemas.xmlsoap.org/soap/encoding/" xmlns:n="http://www.foo.com/header" xmlns:ns="http://www.foo.com/server" s:encodingStyle="http://schemas.xmlsoap.org/soap/encoding">

<s:Header>
 <n:Request ID> 12345 </n:Request ID>
</s:Header>
 <s:Body>
 <ns:Trouble Notification Response>
 <Reception Result> OK </Reception Result>
 </ns:Trouble Notification Response>
 </s:Body>
</s:Envelope>

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FIG.15

EXEMPLARY PART DESCRIBING SERVER COMMAND

```
Content-Type: text/xml; charset=UTF-8
Content-Transfer-Encoding: 8bit
X-SOAP-Type : Request
SOAPAction: "http://www.foo.com/ client/getTemperature"
<s:Envelope
 xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"
 xmlns:se="http://schemas.xmlsoap.org/soap/encoding/"
 xmlns:n="http://www.foo.com/header"
 xmlns:nc="http://www.foo.com/client"
 s:encodingStyle="http://schemas.xmlsoap.org/soap/encoding">
  <s:Header>
    <n:Request ID> 98765 </n:Request ID>
  </s:Header>
  <s:Body>
   <nc:Temperature Sensor Value Acqisition>
      <SensorID> 3 </SensorID>
   </nc:Temperature Sensor>
  </s:Body>
 </s:Envelope>
```

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FIG.16

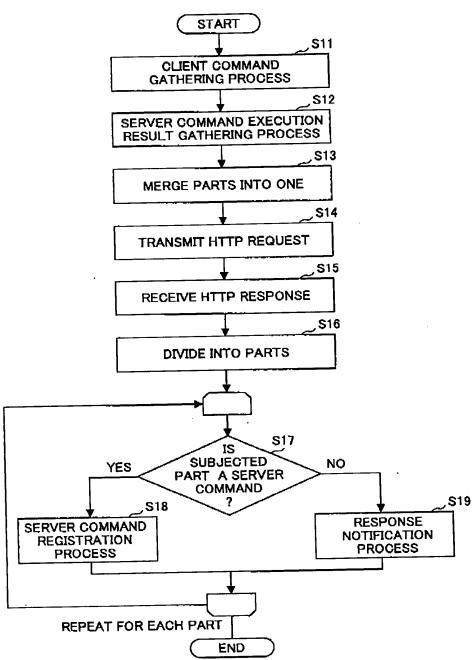
EXEMPLARY PART DESCRIBING RESPONSE TO SERVER COMMAND

Content-Type: text/xml; charset=UTF-8 Content-Transfer-Encoding: 8bit X-SOAP-Type: Response

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/" xmlns:se="http://schemas.xmlsoap.org/soap/encoding/" xmlns:n="http://www.foo.com/header" xmlns:nc="http://www.foo.com/client" s:encodingStyle="http://schemas.xmlsoap.org/soap/encoding">

<s:Header>
 <n:Request ID> 98765 </n:Request ID>
</s:Header>
<s:Body>
 <nc:Temperature Sensor Value Acqisition Response>
 <Temperature> 52 </Temperature>
 </nc:Temperature Sensor Value Acqisition Response>
 </s:Body>
</s:Envelope>





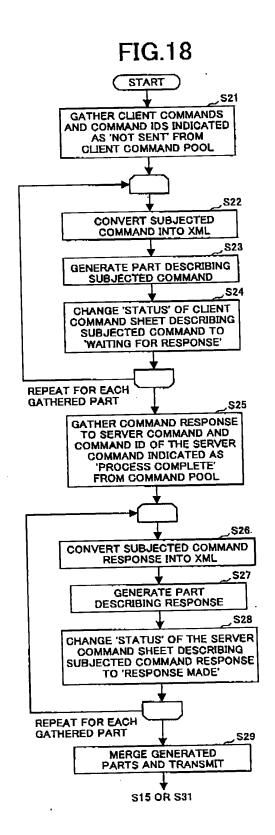
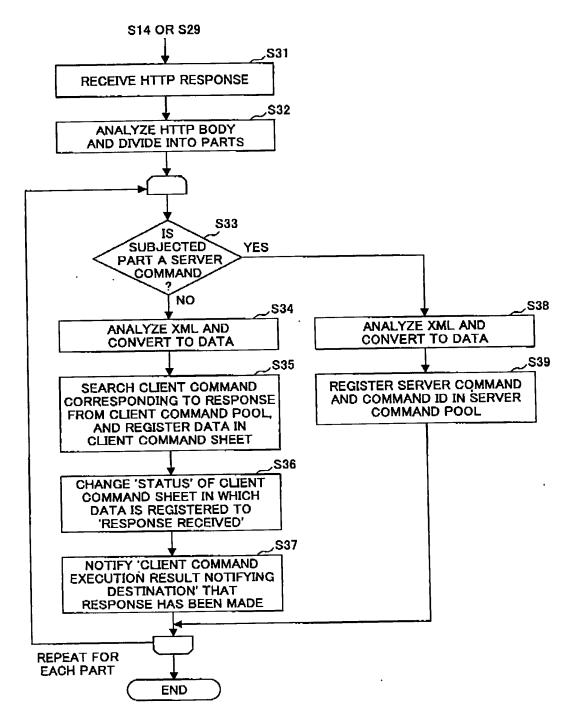
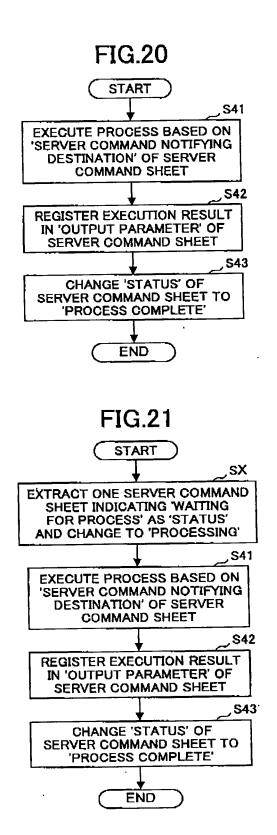
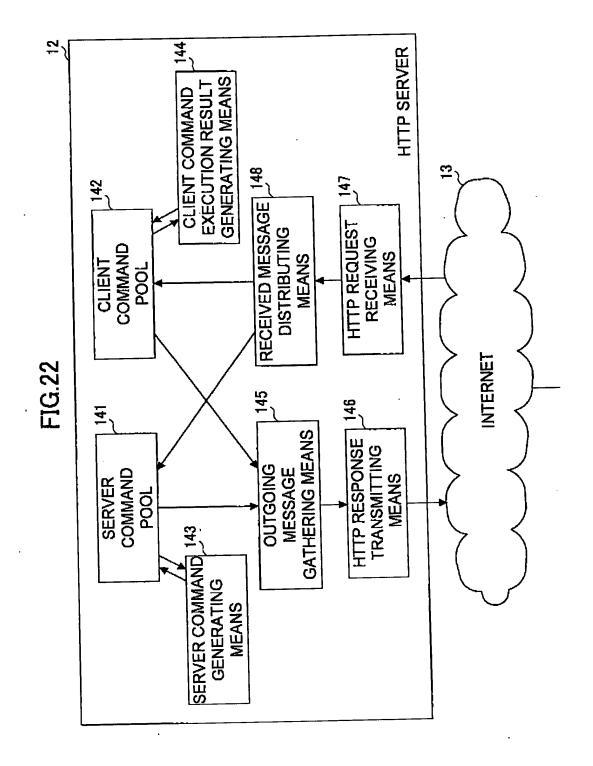


FIG.19







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FIG.23

SERVER COMMAND SHEET IN HTTP SERVER

COMMAND ID

METHOD NAME (e.g., TROUBLE NOTIFICATION)
INPUT PARAMETER (e.g., TROUBLE CONTENT)
STATUS (INITIAL VALUE: NOT PROCESSED)
SERVER COMMAND EXECUTION
RESULT NOTIFYING DESTINATION
OUTPUT PARAMETER
(BLANK UNTIL RESPONSE IS ACQUIRED)

FIG.24

CLIENT COMMAND SHEET IN HTTP SERVER

COMMAND ID

METHOD NAME (e.g., COUNTER ACQUISITION)

INPUT PARAMETER

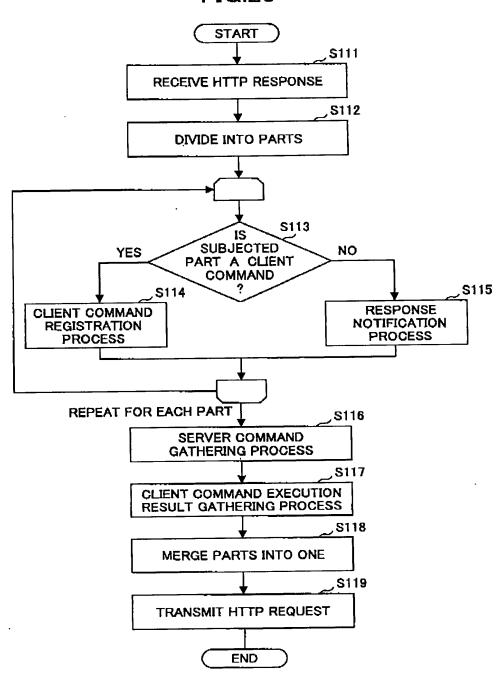
STATUS (INITIAL VALUE: NOT PROCESSED)

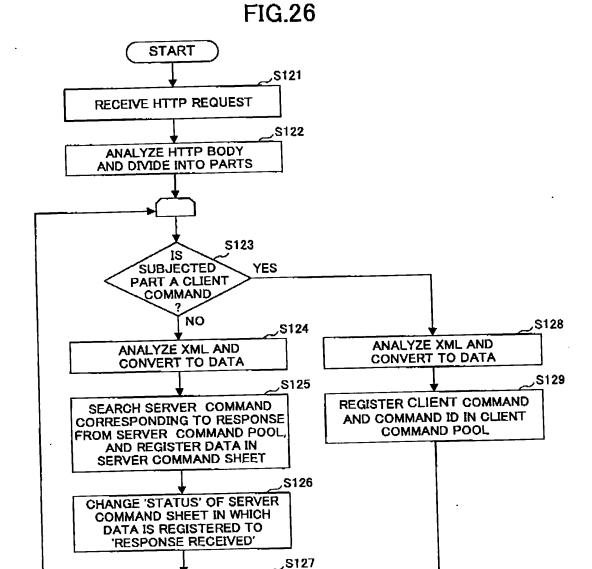
OUTPUT PARAMETER

(BLANK UNTIL PROCESS IS COMPLETED)

CLIENT COMMAND NOTIFYING DESTINATION

FIG.25

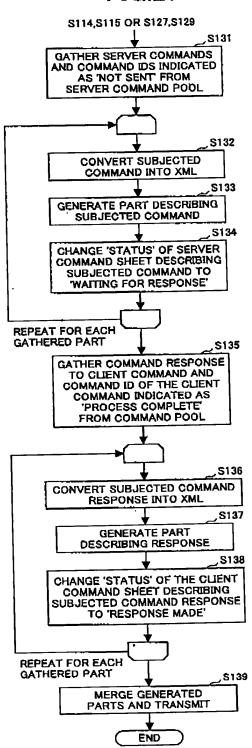




NOTIFY 'SERVER COMMAND EXECUTION RESULT NOTIFYING DESTINATION' THAT RESPONSE HAS BEEN MADE

S116 OR S131

REPEAT FOR EACH PART



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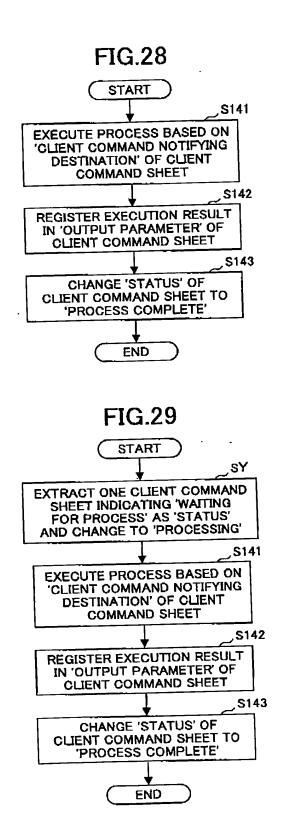
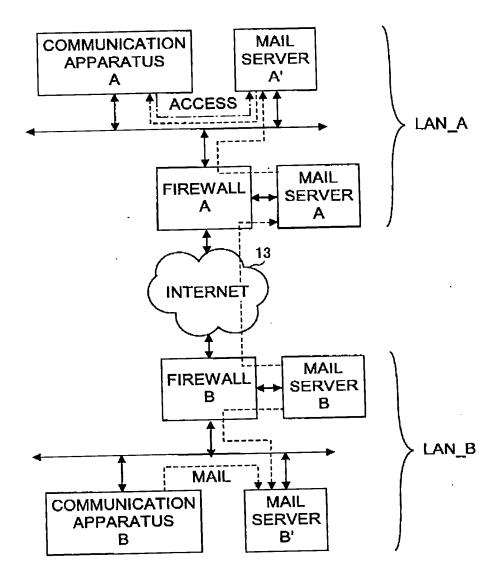


FIG.30



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FIG.31A

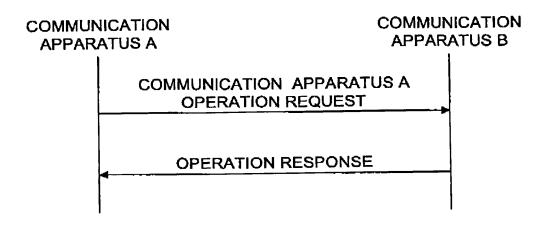


FIG.31B

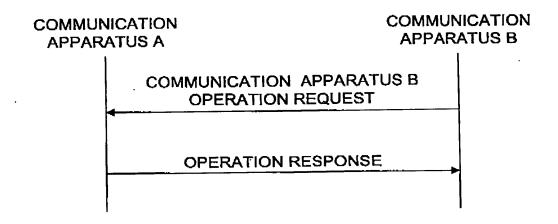
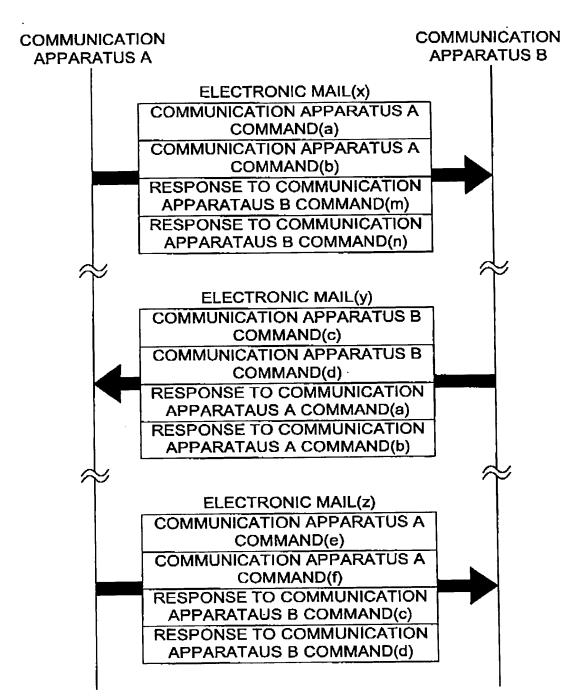
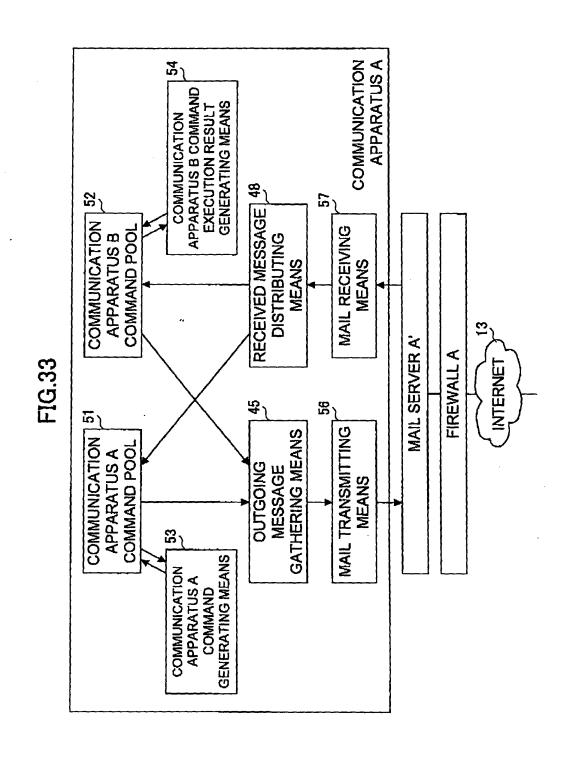
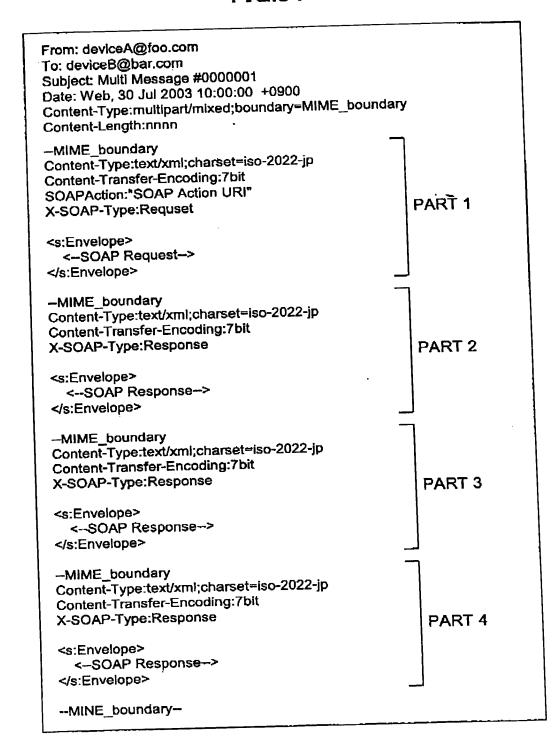


FIG.32







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